

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number : 10/573,998 Confirmation No.: 9251  
Applicant : Claus FROHBERG  
Filed : September 29, 2004  
Title : PLANTS WITH REDUCED ACTIVITY OF A CLASS 3  
BRANCHING ENZYME  
TC/Art Unit : 1638  
Examiner: : Brent PAGE  
Docket No. : 65084.000017  
Customer No. : 21967

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicant submits attached Form PTO/SB/08A (modified) for consideration and request the references cited therein be made of record by the U.S. Patent and Trademark Office in the above-captioned application.

Several of the cited documents were cited by the European Patent Office in the International Search Report dated January 18, 2005 for International Application No. PCT/EP2004/0190985, which was filed on September 29, 2004. A copy of the International Search Report (January 18, 2005) and International Preliminary Report on Patentability (December 21, 2005) is enclosed herein. In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of cited U.S. patents are not being provided.

Applicant respectfully notes that the submission of the listed references in this Information Disclosure Statement is not an admission that they are prior art or that they are material to patentability of any claims of the application. Also, the submission of this Information Disclosure Statement is not an indication that a search has been made by Applicant.

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form SB/08A with the Examiner's initials in the left column in accordance with MPEP § 609 are respectfully requested.

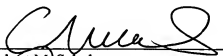
In accordance with 37 C.F.R. § 1.97(b), this Information Disclosure Statement is believed to be submitted prior to issuance of a first Office Action, therefore, it is respectfully submitted that no fee is required for consideration of this information. However, in the event a fee is deemed necessary, the Director is authorized to charge the undersigned's Deposit Account No. 50-0206 a fee of \$180.00 pursuant to 37 C.F.R. § 1.17(p). In the event that additional fees are deemed necessary, or in the event of any variance between the amount enclosed and the fees determined by the U.S. Patent and Trademark Office, please charge or credit any such variance to the undersigned's **Deposit Account No. 50-0206**.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: October 26, 2006

By:

  
Robert M. Schulman  
Registration No. 31,196

Christopher J. Nichols, Ph.D.  
Registration No. 55,984

Hunton & Williams LLP  
Intellectual Property Department  
1900 K Street, N.W. Suite 1200  
Washington, DC 20006  
(202) 955-1500 (telephone)  
(202) 778-2201 (facsimile)

RMS/CJN:cdh



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/573,998
Filing Date	March 30, 2006
First Named Inventor	Claus FROBERG
Art Unit	1638
Examiner Name	Brent PAGE
Attorney Docket Number	65084.000017

Sheet 1 of 2

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code	Number - Kind Code (if known)				YES	NO
/BP/	1.	WO	96/34968	11-1996	COOKE et al.		<input type="checkbox"/>	<input type="checkbox"/>
/BP/	2.	WO	01/70942	09-2001	POULSON et al.		<input type="checkbox"/>	<input type="checkbox"/>

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION
			YES NO
/BP/	3.	Blauth et al. (March 2001) "Identification of <i>Mutator</i> Insertional Mutants of Starch-Branching Enzyme 2a in Corn." <u>Plant Physiology</u> 125: 1396-1405	<input type="checkbox"/> <input type="checkbox"/>
	4.	Blauth et al. (2002) "Identification of <i>Mutator</i> insertional mutants of starch-branching enzyme 1 ( <i>sbe1</i> ) in <i>Zea mays</i> L." <u>Plant Molecular Biology</u> 48: 287-297	<input type="checkbox"/> <input type="checkbox"/>
	5.	Flipse et al. (1996) "Introduction of sense and antisense cDNA for branching enzyme in the amylose-free potato mutant leads to physico-chemical changes in the starch." <u>Planta</u> 198: 340-347	<input type="checkbox"/> <input type="checkbox"/>
	6.	Jobling et al. (1999) "A minor form of starch branching enzyme in potato ( <i>Solanum tuberosum</i> L.) tubers has a major effect on starch structure: cloning and characterisation of multiple forms of <i>SBE A</i> ." <u>The Plant Journal</u> 18(2): 163-171	<input type="checkbox"/> <input type="checkbox"/>
✓	7.	Khoshnoodi et al. (1996) "The multiple forms of starch-branching enzyme I in <i>Solanum tuberosum</i> ." <u>Eur. J. Biochem</u> 242: 148-155	<input type="checkbox"/> <input type="checkbox"/>

EXAMINER SIGNATURE

/Brent Page/

DATE CONSIDERED

05/28/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Application Number 10/573,998

Filing Date March 30, 2006

First Named Inventor Claus FROHBERG

Art Unit 1638

Examiner Name Brent PAGE

Attorney Docket Number 65084.000017

Sheet

2

of

2

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
/BP	8.	Larsson et al. (1998) "Molecular Cloning and characterization of starch-branching enzyme II from potato." <u>Plant Molecular Biology</u> 37: 505-511		
	9.	Mizuno et al. (September 5, 1993) "Alteration of the Structural Properties of Starch Components by the Lack of an Isoform of Starch Branching Enzyme in Rice Seeds." <u>The Journal of Biological Chemistry</u> 268(25): 19084-19091		
	10.	Rydberg et al. (2001) "Comparison of starch branching enzyme I and II from potato." <u>Eur. J. Biochem.</u> 268: 6140-6145		
	11.	GenBank Accession No. BG886850 (June 8, 2001)		
	12.	GenBank Accession No. Q8GWK4 (March 1, 2003)		
↓	13.	GenBank Accession No. AK118785 (December 13, 2002)		

EXAMINER SIGNATURE /Brent Page/

DATE CONSIDERED 05/28/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.